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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

- 1-78. (Cancelled)
- (Previously Presented) A transgenic cereal plant seed produced by the method of claim 113.
- 80-89. (Cancelled)
- (Previously Presented) The expression cassette according to claim 112
   wherein the promoter is a gamma zein promoter or a waxy promoter.
- 91. (Previously Presented) A vector comprising the expression cassette of claim 112.
- 92-102, (Cancelled)
- 103. (Currently Amended) A food or feed product produced from the transformed eereal plant seed of claim 114.
- 104. (Cancelled)
- 105. (Previously Presented) The transgenic cereal plant seed of claim 114 wherein the seed endosperm-preferred promoter is heterologous to the polynucleotide.

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106-111. (Cancelled)

- 112. (Currently Amended) An expression cassette comprising a seed endospermpreferred promoter operably linked to a polynucleotide encoding a <u>barley</u>
  <u>alpha-hordothionin</u> native plant seed protein or a native plant seed protein
  modified to contain <u>one or more of</u> about 7 mole % to about 40 mole % lysine
  and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid.
- 113. (Currently Amended) A method for increasing the level of <u>one or more of</u> lysine <u>and/</u>or a sulfur-containing amino <u>acids</u> acid in a cereal plant seed, the method comprising: comprises
  - a) transforming a cereal plant cell with an expression cassette\_and
  - b) regenerating a transgenic cereal plant to produce a transgenic cereal plant seed,

wherein the expression cassette comprises a seed endosperm-preferred promoter operably linked to a polynucleotide encoding a native plant seed protein or a native plant seed barley alpha-hordothionin protein modified to contain one or more of about 7 mole % to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein the level of lysine and/or a sulfur-containing amino acid is increased in the transgenic cereal plant seed compared to a corresponding non-transgenic cereal plant seed.

114. (Currently Amended) A transgenic cereal plant seed comprising a modified barley alpha-hordothionin chimeric polynucleotide operably linked to a seed endosperm-preferred promoter, wherein the polynucleotide encodes a barley alpha-hordothionin native plant seed protein or a native plant seed protein modified to contain one of more of about 7 mole % to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid

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and wherein the transgenic cereal plant seed comprises an elevated level of lysine and/or a sulfur-containing amino acid compared to a corresponding non-transgenic cereal plant seed.

- 115. (Currently Amended) A transgenic cereal plant comprising a modified barley alpha-hordothionin chimeric polynucleotide operably linked to a seed endosperm-preferred promoter, wherein the polynucleotide encodes a barley alpha-hordothionin native plant seed-pretein or a native plant seed protein modified to contain one or more of about 7 mole % to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein transgenic seed of the transgenic cereal plant comprise an elevated level of lysine and/or a sulfur-containing amino acid compared to a corresponding non-transgenic cereal plant seed.
- 116. (Currently Amended) A transgenic cereal plant cell comprising a <a href="mailto:barrenge">barrenge</a> alpha-hordothionin -ehimerie polynucleotide operably linked to a seed endosperm-preferred promoter, wherein the polynucleotide encodes a <a href="mailto:barrenge">barrenge</a> alpha-hordothionin protein -native plant seed protein or a native plant-seed modified to contain one or more of about 7 mole % to about 40 mole % lysine and/or about 6 mole % to about 40 mole % of a sulfur-containing amino acid and wherein transgenic seed <a href="mailto:resulting-from">resulting-from</a> of the transgenic sereal plant cell comprise one or more of an elevated level of lysine and/or a-sulfur-containing amino acid compared to a corresponding non-transgenic cereal plant seed.

117-120. (Cancelled)